

Split
Work Order ID 61847-3

September 7, 2010 3:22:05 PM



Page 1

Item ID: D3439-101

Revision ID:

Item Name: Mirror Assembly 8"

Start Date: 9/07/10

Start Qty: 50.00

Required Date: 9/09/10

Req'd Qty: 50.00

Reference:

Accept



Setup Start



Stop



Cust Item ID:

Customer:

Approvals:

Process Plan: *CX*

Date: 10/9/17

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D3439

Rev A B

100



Purchasing

Purchasing

PURCHASING

0.00

Memo

0.00

Issue P/O: 12524
For Grote Mirror P/N: 12183
Possible Supplier: UAP/NAPA
Material release note is required

CX

10/9/17

Pho

(50)

110



Packaging

Packaging

Receive & Inspect for Damage & Mat'l Certs

0.00

Memo

0.00

Ensure Material Release Note is attached

10/7/10 *(70)*

115

→ 26 inspect parts

9/10/13

8/10/13

Count
(x70)

Pho →

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Reference:

Accept



Setup Start



Stop



Cust Item ID:

Customer:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
---------	--------	-----------	------------	------------	---------------	-------------

120



Small Fab

Small Fab

0.00

Memo

Discard Hardware.

Fabricate stud as per Dwg D3439

Pick:

Qty Part Number Description Batch

1 5/16"-18UNCx1 1/4" Long Hex Bolt

Drill and Tap mirror as per Dwg D3439, then install stud.

Coat threaded section of stud with LPS-3

w/ 20 ECR 10.607

Discard Hardware

2-Drill + Tap mirror as per drawing

D3439, then install stud D3439-3

30X

m-d w/04/28

130



QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

w/As

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Item ID: D3439-101

Accept



Setup Start



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Stop



Item Name: Mirror Assembly 8"

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Cust Item ID:

Required Date: 9/09/10 Req'd Qty: 50.00



Customer:

Reference:

Run Start



Approvals: Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

140



Small Fab

Small Fab

0.00

30X

Small Fab

Memo

0.00

Plug drain holes with Sikaflex.

Ensure that mirror adheres to housing.

Pick:

Qty Part Number Description Batch

A/RN/A Sikaflex-241/-291

Sikaflex expiry date

01/2011

M115114

m.d 10/09/28

150



QC

QC5- Inspect part completeness to step on W/O

0.00

8/10/28

control

+30

Quality Control

Memo

0.00

160



Packaging

Identify as per dwg & Stock Location

0.00

10/9/28 SP300

Memo

0.00

Packaging

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Item ID: D3439-101

Accept



Setup Start



Revision ID:

Item Name: Mirror Assembly 8"

Stop



Start Date: 9/07/10 Start Qty: 50.00



Cust Item ID:

Required Date: 9/09/10 Req'd Qty: 50.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

170

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/09/30

MF
10-9-29

2010 3:22:04 PM

Page 1

Work Order ID: 61847



Parent Item: D3439-101



Parent Item Name: Mirror Assembly 8"

Start Date: 9/07/10

Required Date: 9/09/10

Start Qty: 50.00

Required Qty: 50.00

Comments: IPP A: 05.07.20 New issue KJ/JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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12183

Purchased

No

120

Each

0.0000

1

50



GROTE MIRROR

5/16WC



SS Flat Washer 5/16

Purchased

No

120

Each

1,995.000

1

50

B 61874



30X

m-l w/09/22

Location

Loc Qty

Loc Code

ST377

1995

112560

176

114758

77

115072

949

115110

293

115174 ✓

500

D3015-3

Manufactured

No

120

Each

582.0000

1

50



Locknut



30X

m-l w/09/22

Location

Loc Qty

Loc Code

ST033

582

43758

26

56701 ✓

3

58202 ✓

70

60287

483

D3439-3

per ECN 10-607

1 each

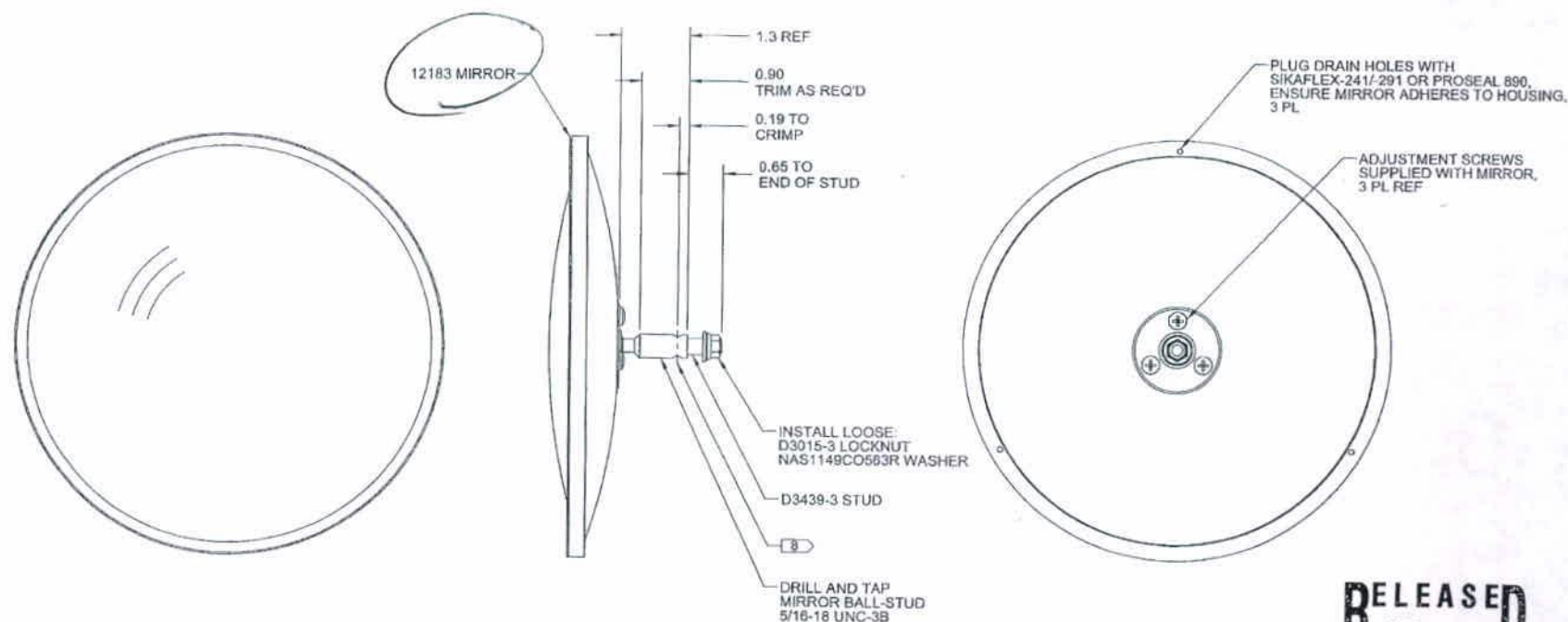
8 61866 m-l w/09/22

30X

m-l w/09/22

0210917
W101

ITEM	QTY	P/N	DESCRIPTION
1	X	D3439-101	MIRROR ASSEMBLY, 8"
2	1	12183	MIRROR 8" (GROTE)
3	1	D3015-3	LOCKNUT
4	1	D3439-3	STUD
5	1	NAS1149CO563R	WASHER (OR AN960JD516)



D3439-101 MIRROR ASSEMBLY

NOTES:

- 1) MATERIAL: MIRROR= 8" ROUND CONVEX MIRROR W/ STAINLESS STEEL CASE
CENTER-MOUNT BALL-STUD W/ 1/4-20 X 1" DEEP FEMALE THREAD
GROTE INDUSTRIES, 2600 LANIER DRIVE, MADISON, INDIANA 47250
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3439-101" USING REMOVEABLE TAG
- 7) WEIGHT: 1.18 lbs
- 8) TO INSTALL D3439-3 STUD:
 - APPLY LOCKTITE 262 TO THREADS BEING INSTALLED INTO MIRROR BALL-STUD
 - THREAD D3439-3 STUD INTO MIRROR BALL-STUD
 - CRIMP MIRROR BALL-STUD ON OPPOSING SIDES, 0.19 FROM END AS ILLUSTRATED USING TOOL DT8317
 - CRIMP TO DEPTH OF 0.015-0.030 USING R0.125

RELEASED
2010-09-07

B	REDRAW, ADD -3 (WAS PURCHASED/TRIMMED BOLT).	CP	10.07.20
A	NEW ISSUE	CP	05.05.27
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.07.20		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D3439
REV. B
SHEET 1 OF 2
TITLE MIRROR ASSEMBLY
SCALE NTS

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO12524

Purchase Order Date 9/07/10

PO Print Date 9/08/10

Page Number 1 of 1

Order From :

VC-UAP001

UAP HAWKESBURY INC. #074
514 MAIN STREET WEST
HAWKESBURY, ON K6A 2J2
CA

REVISED

Contact Name

Vendor Phone

613 632 8575

Vendor Fax

613 632 1539

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
09/19/10

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	12183	GROTE MIRROR	9/09/10 Yes	70.00 Each	Yours ppd	\$20.9000	\$1,463.00

Special Inst: AS PER DWG D3439 REV. A
B61847
GROTE MIRROR P/N: 12183

PO Total:

\$1,463.00

CERTIFICATE OF CONFORMITY
REQ'D UPON DELIVERY

U CZ

Change Nbr: 2

Change Date: 9/08/10

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable



DANGEROUS GOODS PERMIT
EXPIRY DATE:
PERMIS RELATIF AUX MARCHANDISES DANGEREUSES.
DATE D'EXPIRATION:

EMERGENCY TELEPHONE NUMBER 24 HOURS
CANUTEC 613-996-6666
NUMÉRO DE TÉLÉPHONE D'URGENCE 24 HEURES
CANUTEC 613-996-6666

ACCT # N° COMPTE	SOLD TO / VENDU À	DATE	TIME HEURE	STORE # N° MAGASIN	EMP # N° EML.	INVOICE NO. N° FACTURE
SR #		PURCHASE ORDER # N° BON DE COMMANDE				ATTENTION
		TAX EXEMPTION: EXEMPTION DE TAXE:				
AD		TERMS: CONDITIONS:				
		DELIVERY: LIVRAISON:				
PART NUMBER / N° PIECE	LN	DESCRIPTION	QUANTITY QUANTITE	PRICE / PRIX	NET	TOTAL
12183			150.00			
12183			20.00			
En attente		S. 10/04/13				

S. Willems

SIGNATURE

ALL GOODS RETURNED MUST BE ACCOMPANIED BY THIS INVOICE
TOUTE MARCHANDISE RETOURNÉE DOIT ÊTRE ACCOMPAGNÉE DE CETTE FACTURE